Scenario Worksheet

Practice and Scenario Description:

Information Type	Data	
Region	Delta States	
State	Louisiana	
Discipline Group	Agronomy	
Practice Code/Name	346 - Residue and Tillage Managem	ent - Ridge Till
Scenario ID	1	
Scenario Name	Ridge Till	
Scenario Description Before Practice Situation	managing the amount, orientation and and harvest crops in systems. The pra- available moisture. The ridge till syste management system is applicable to to ROW crops such as corn, cotton, peans weed control during crop production i operations applied to field prior to pla soil being exposed to wind erosion an runoff from fields increases during rai	ion from a conventional tillage system to a ridge tillage (conservation tillage) system on 160 acres of cropland. This involves distribution of crop and other plant residue on the soil surface year round while limiting soil-disturbing activities used to greate seed to greate with greate and rill erosion, improve soil quality, reduce energy use, increase plant in includes using a ridge till planter and chemical weed control, and may also include a period of chemical fallow. This residu oth irrigated and non-irrigated fields. This system will manage soil erosion to T and maintain a positive SCI. spread of the system of the sys
After Practice Situation	disturbing activities to those which red disturbance while establishing good so burned or removed. Crop residues pro erosion is reduced by standing residue	practice standard 346 to meet the planned purposes. Managing crop residue on the surface year around while limiting soil hape ridges, place nutrients, and plant crops. All crops are seeded/planted with a ridge till planter, which minimizes soil ed-soil contact. All residues are to be maintained on the soil surface in a uniform distribution over the entire field and not vide soil surface cover throughout the year. Runoff and erosion are reduced and no rills are visible on the soil surface. Wind so and surface cover. Over time, soil health is improved due to the additional crop residues, ground cover, and soil infiltration erosion to T and maintain a positive SCI.
Scenario Feature Measure	Area planted	
Scenario Unit	Acre	
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Cost Summary:

cost summary.				
Cost Category	Scenario Cost	Scenario Cost/Unit		
Materials	\$0.00	\$0.00		
Equipment/Installation	\$5,065.60	\$31.66		
Labor	\$0.00	\$0.00		
Mobilization	\$0.00	\$0.00		
Acquisition of Technical Knowledge	\$0.00	\$0.00		
Foregone Income	\$0.00	\$0.00		
Total	\$5,065,60	\$31.66		

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Includes equipment, power unit and labor				
Equipment/Installation	1231	Ridge Till Row Cultivator	costs.	Acre	\$12.89	160	\$2,062.40
			Mechanical seeding using ridge-till equipment.				
		Seeding Operation, Ridge Till	Includes equipment, power unit and labor				
Equipment/Installation	1232	Planter	costs.	Acre	\$18.77	160	\$3,003.20

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